

The Rapid BioAssessment Snorkel Survey

A Tool for Salmonid Population Assessment
and for
Setting Priorities for Restoration and Enhancement

Midcoast Watersheds Council

In partnership with

Oregon Watershed Enhancement Board

Oregon Department of Fish & Wildlife

Siuslaw National Forest

Confederated Tribes of Siletz Indians

OSU Extension Service

UO RARE Program

The Rapid BioAssessment Snorkel Survey

- 20% sample of pool habitats
- Complete count of salmonids present
 - Juvenile coho
 - Juvenile chinook
 - 0-age cutthroat and steelhead
 - 1+ cutthroat trout
 - 1+ steelhead

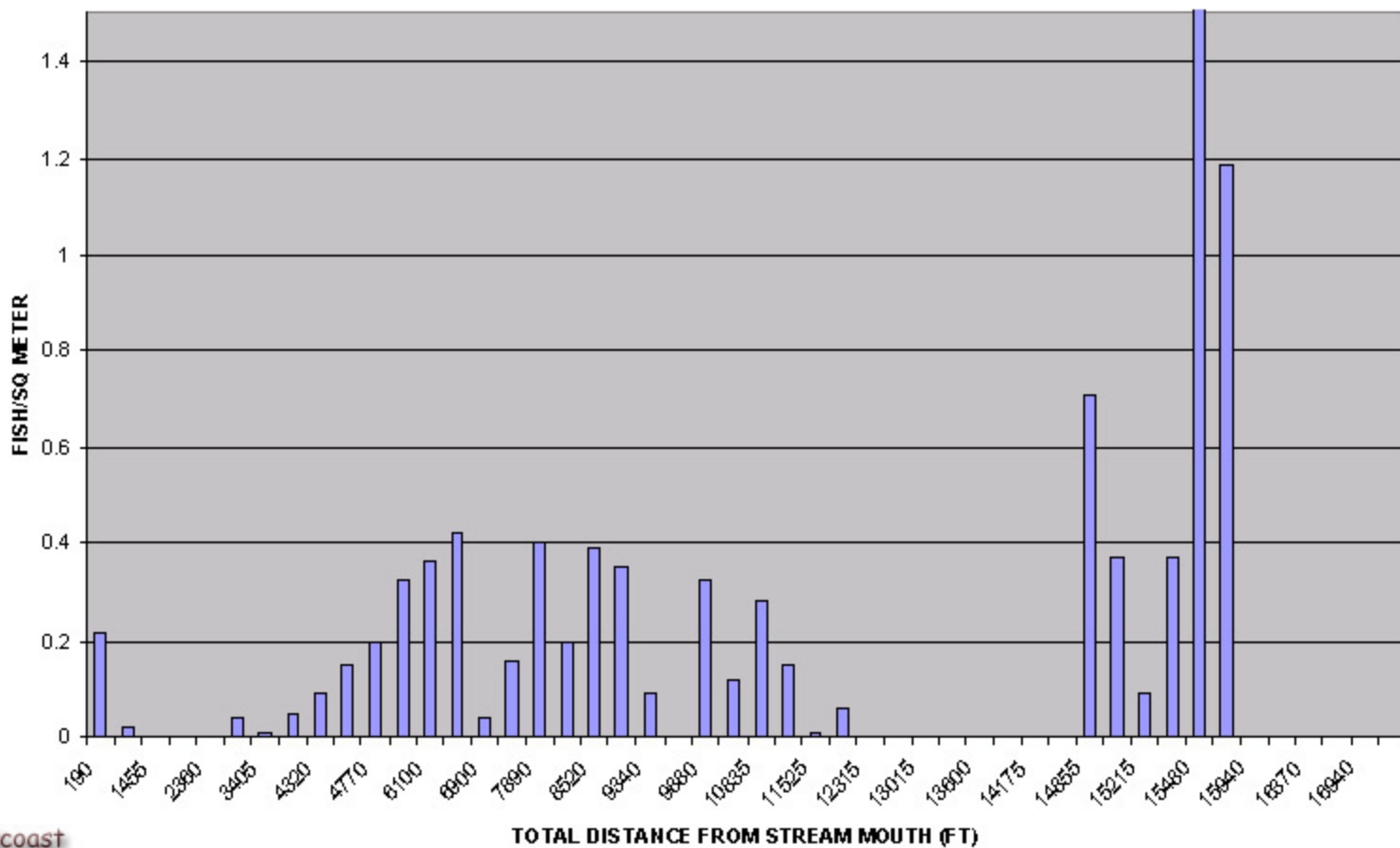


The Rapid BioAssessment Snorkel Survey

- Approximately 800 miles of coho summer habitat
- Approximately 300 miles surveyed per year
- Yachats basin surveyed annually 1998-2002
- Alsea, Siletz basins surveyed 2000-2002
- Salmon River surveyed 1998
- Yaquina Basin part surveyed 1998, part 1999
- Smaller ocean tributaries surveyed 2001, 2002

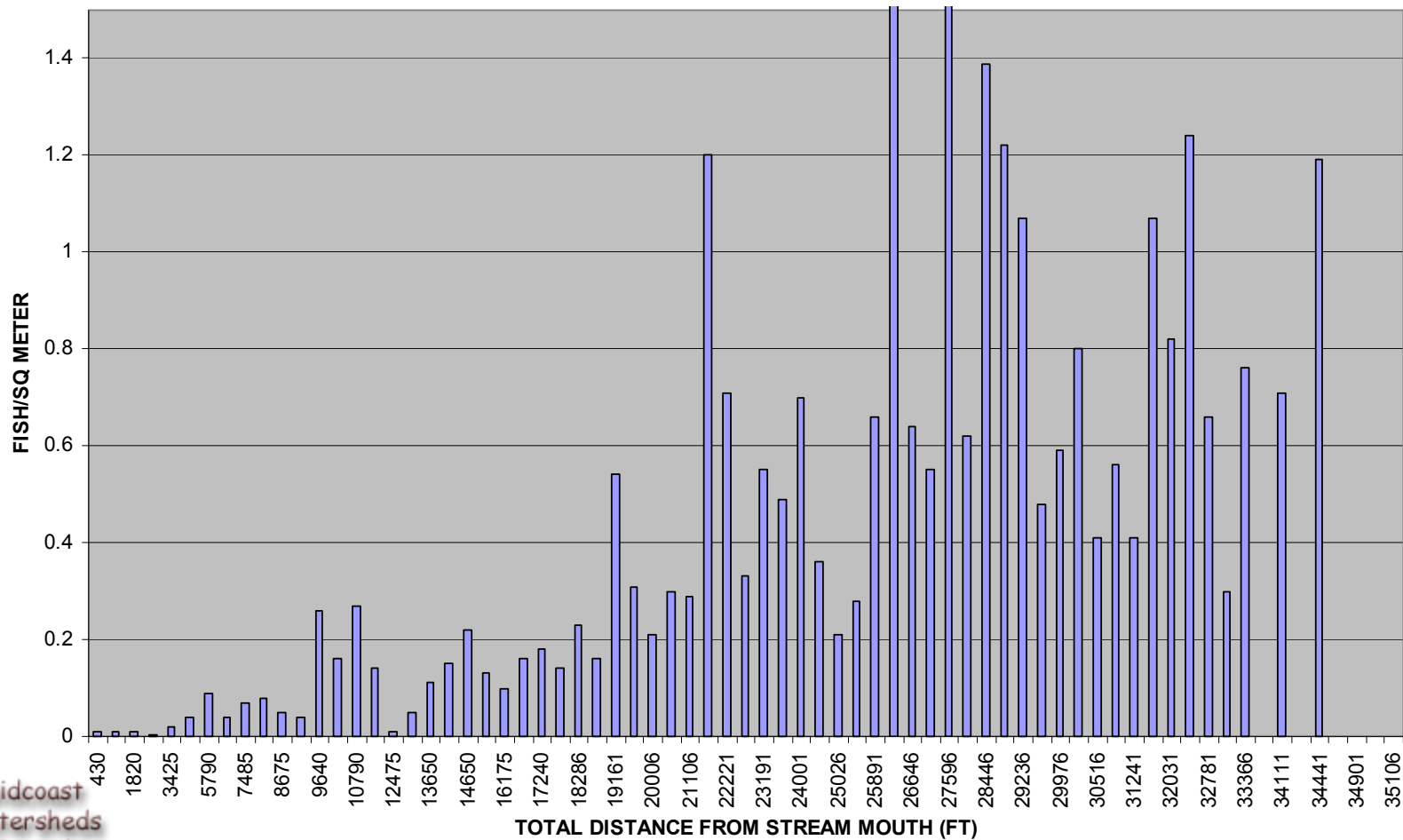


1999 YAQUINA/YAQUINA/THORNTON: COHO DENSITY



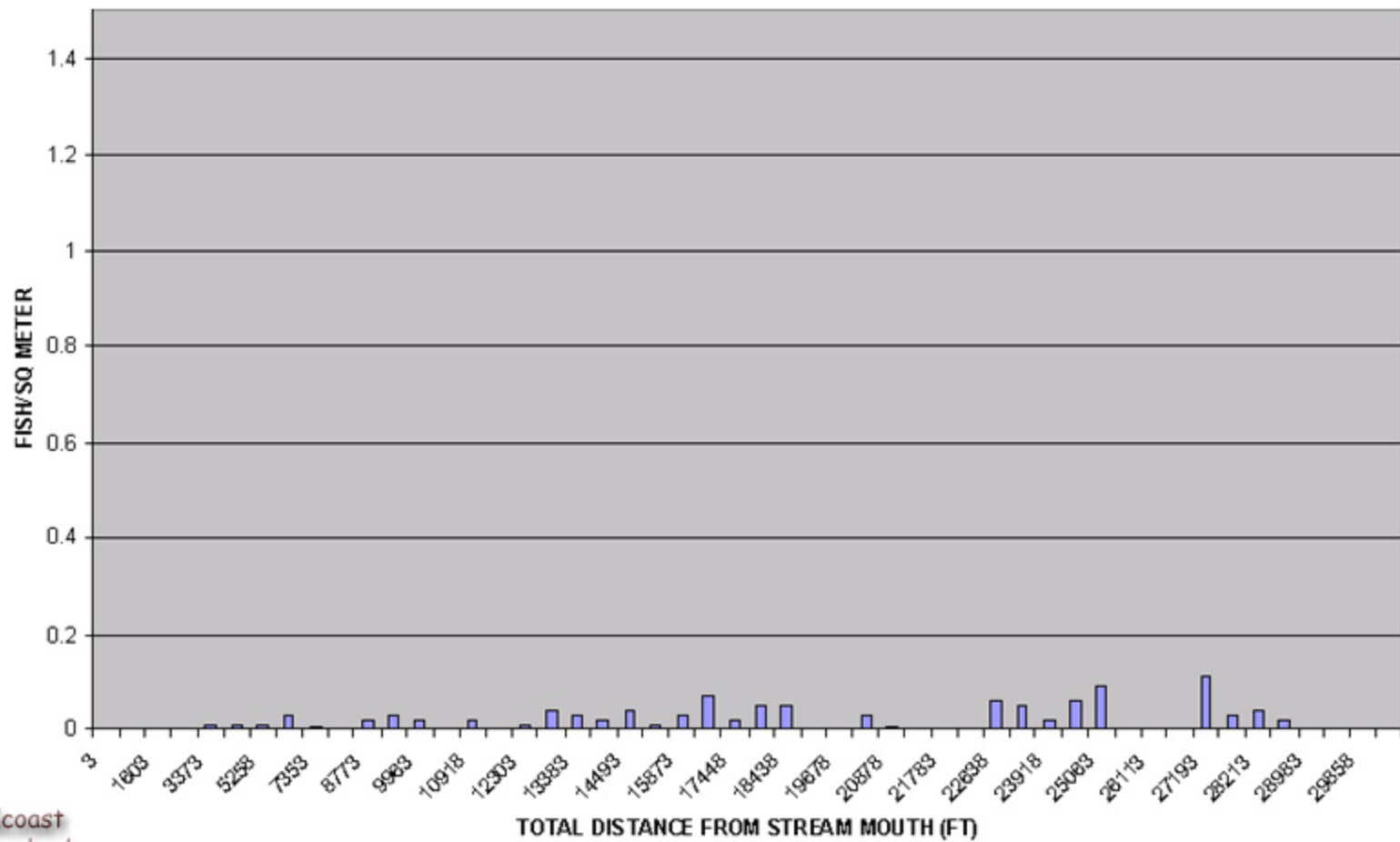
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1998 ALSEA/FIVE RIVERS/GREEN: COHO DENSITY

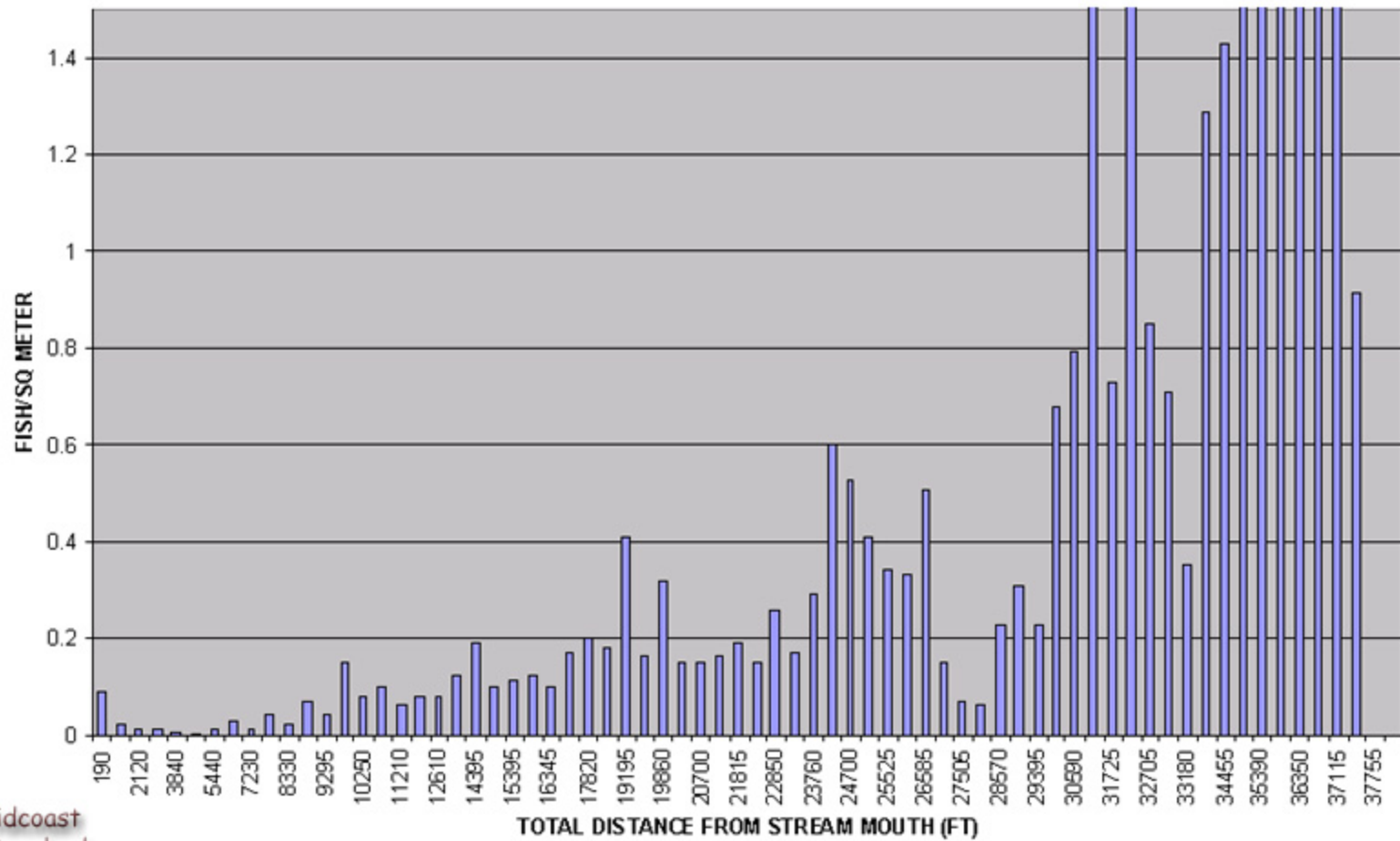


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1999 ALSEA/FIVE RIVERS/GREEN: COHO DENSITY



2000 ALSEA/FIVE RIVERS/GREEN: COHO DENSITY



Sixth Field Subbasin Report: GREEN RIVER

MCWC Priority Subbasin

Fifth field name: Five Rivers - Lobster Creek

HUC (5 digit): 50216

Physical Attributes

Area (Hectares): 2,509

Approx. Stream Length (m): 15,791

Road Density (miles/sq. mile): 2.85

Habitat

Length surveyed: 19104.86 m

Avg. large wood: 7.29 pieces/100 m (> 20 is desirable)

Avg. shade: % (> 60-70% is desirable)

Approx. % surveyed: 121%

Note: Percent surveyed may exceed 100% due to discrepancies in GIS and tabular data.

RBA Averages (1998-1999)

of pools surveyed: 212

Avg. coho density: 0.37 coho/sq. m

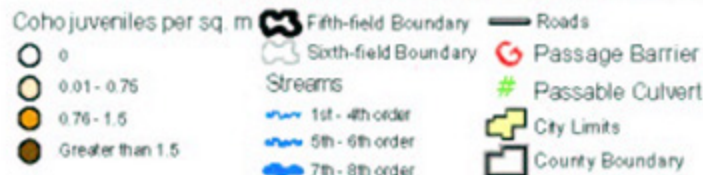
Avg. pool complexity: 2.3 (1 is lowest, 5 is highest)

Assessment Rank

Summer Coho Rank: 1 of 154

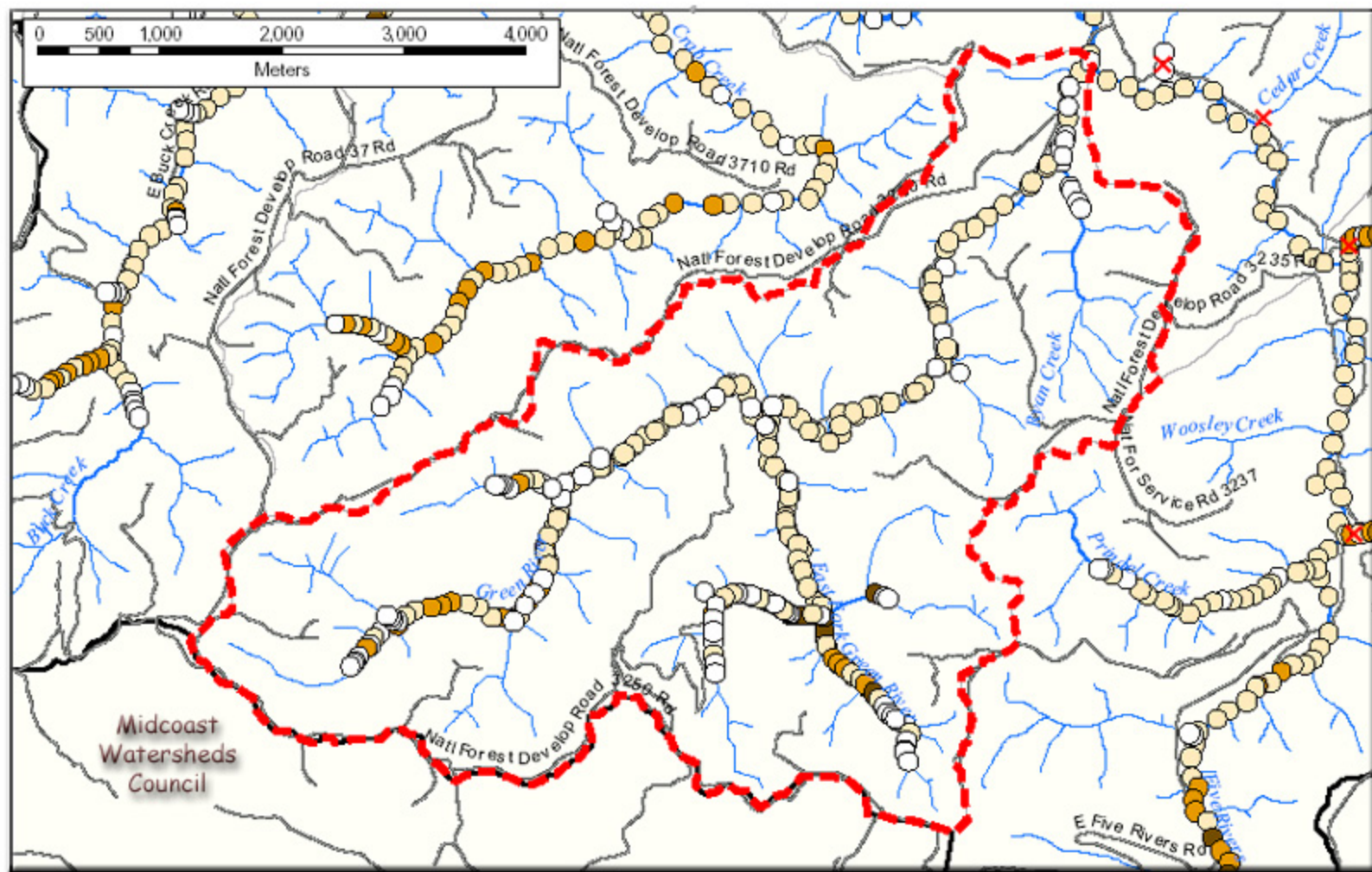
Winter Coho Rank: 3 of 154

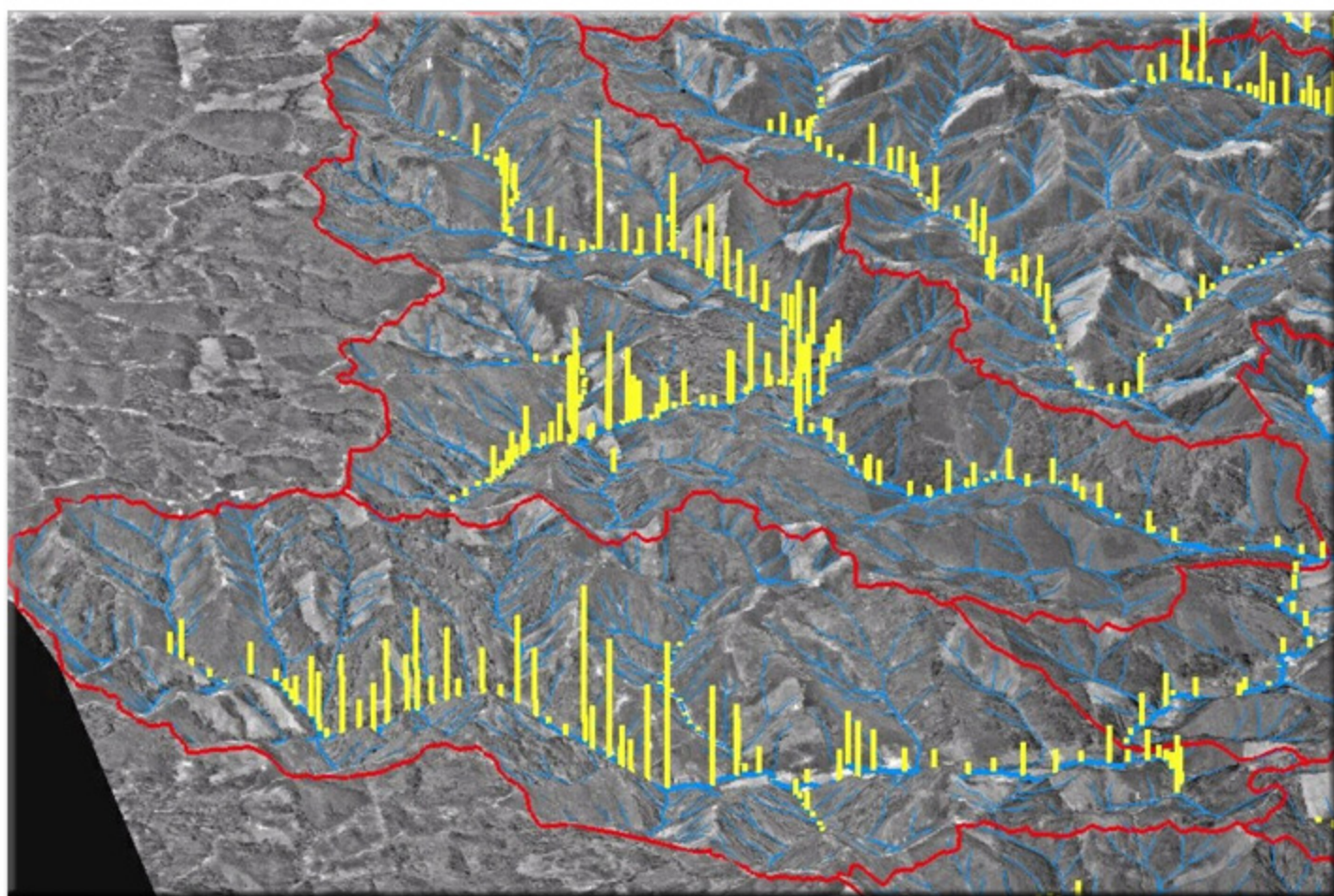
*** This subbasin contains 303(d) listed streams ***



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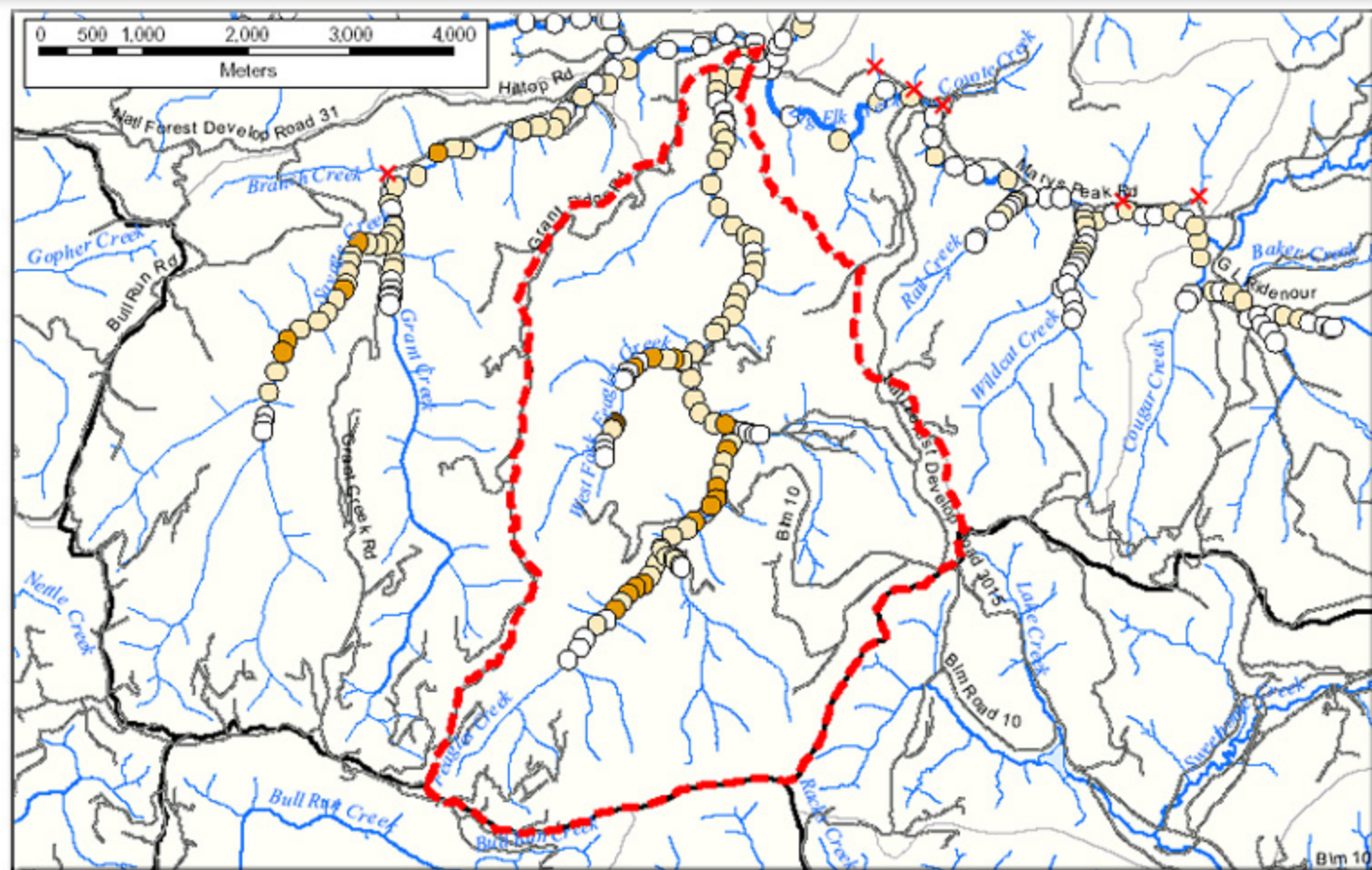




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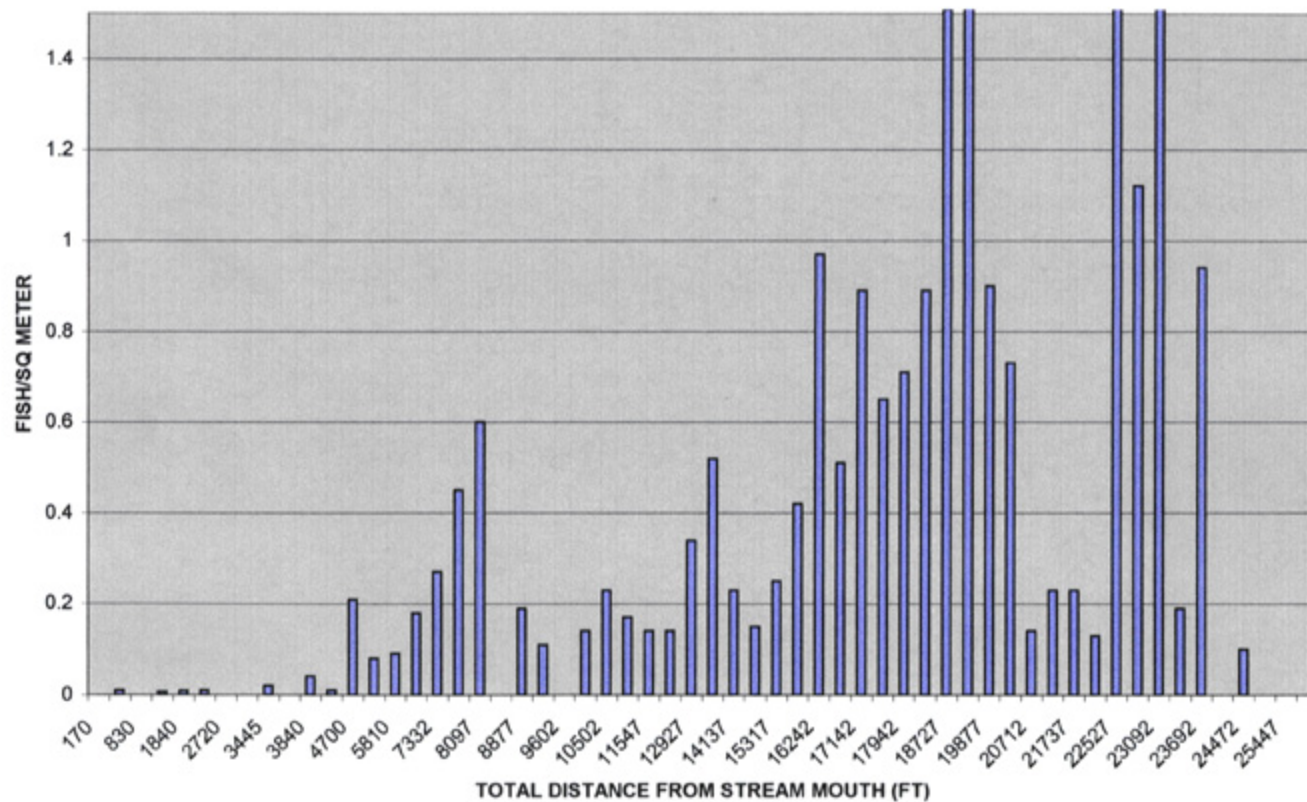


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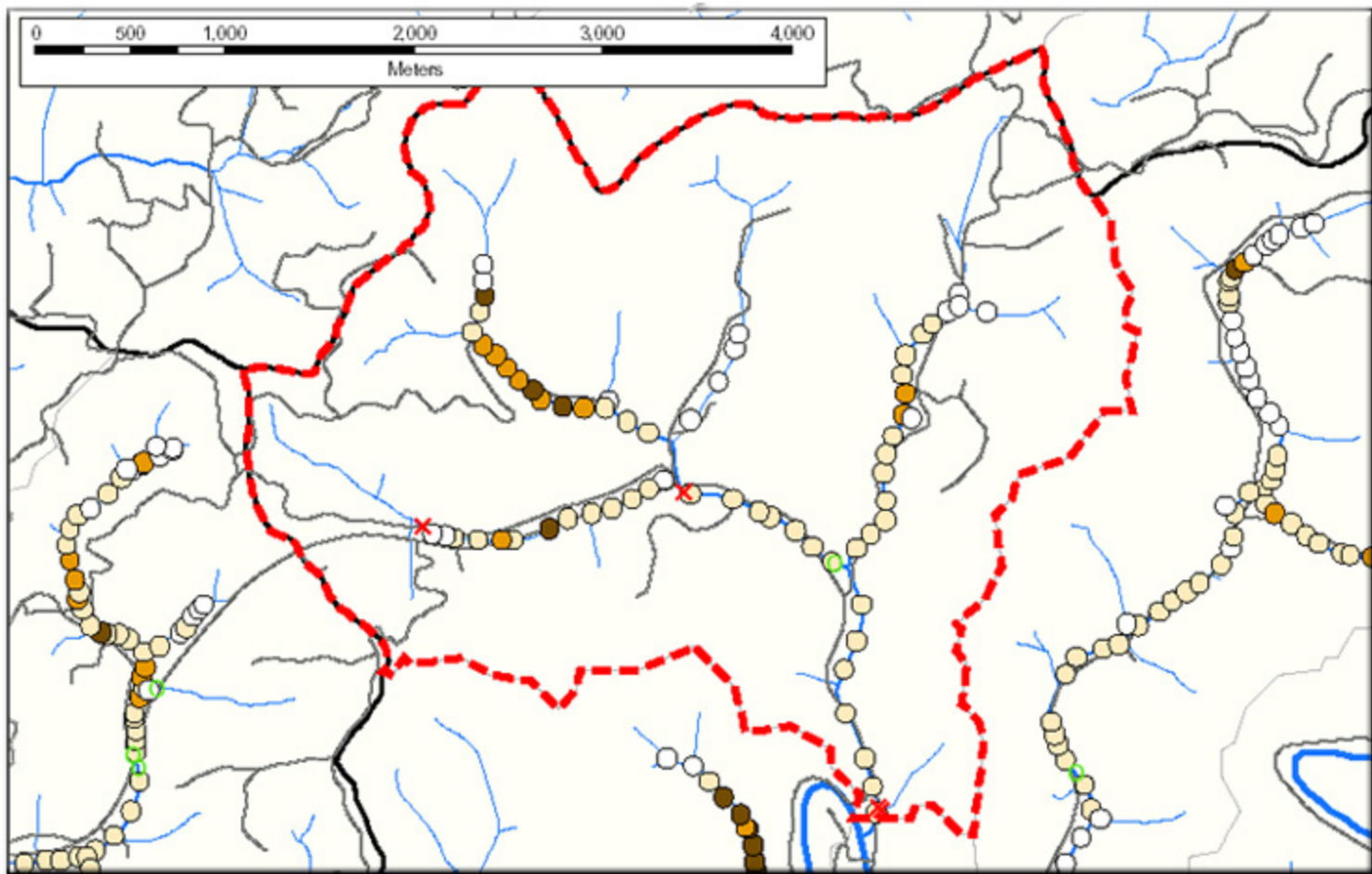
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1998 YAQUINA/BIG ELK/FEAGLES: COHO DENSITY





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The Rapid BioAssessment Snorkel Survey

- Our best tool for prioritizing opportunities for stream restoration and enhancement
- Also used by our partners in their project design and prioritization
- Used by the Oregon Coastal Coho Technical Review Team in their stock assessment and Recovery Goal Development